

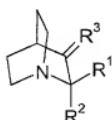
AMENDMENTS TO THE CLAIMS:

This listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of treating a disorder by using cancer comprising:

administering, to a patient in need thereof, an effective amount of a compound of formula (I)



(I)

wherein

(i) R¹ and R² are the same or different and are selected from H, -CH₂-O-R⁵, -CH₂-O-SO₂-R⁵, -CH₂-S-R⁵, -CH₂-O-CO-R⁵, -CH₂-O-CO-NR⁴R⁵ and -CH₂-O-CO-OR⁵;

R³ is =O;

R⁴ and R⁵ are the same or different and are selected from H; substituted or non-substituted, unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; substituted or non-substituted benzyl; substituted or non-substituted mono- or bicyclic aryl; substituted or non-substituted mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are

independently selected from N, O and S; or R⁴ and R⁵ in -NR⁴R⁵ are bonded together and form, together with the nitrogen atom to which they are bonded, a substituted or non-substituted non-aromatic C1-C10 mono- or bicyclic heterocyclyl optionally containing one or several further heteroatoms independently selected from N, O and S and optionally comprising one or several cyclic keto groups;

with the proviso that when R¹ and R² are both -CH₂-OR⁵ then both R⁵ are not H; and

with the further proviso that R¹ and R² are not both H; or

(ii) R¹ and R² together with the carbon atom to which they are bonded form an substituted or non-substituted cyclic carbonate; wherein the substituents of the substituted groups are selected from unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; halogen; mono- or bicyclic aryl; mono-, bi- or tricyclic C1-C10 heteroaryl and non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; C1-C10 alkyloxy; amino; C1-C10 alkylamino; COR⁶; CONR⁶R⁷; and COOR⁶;

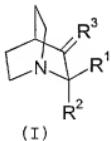
R⁶ and R⁷ are the same or different and are selected from H; unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; benzyl; mono- or bicyclic aryl; mono-, bi- or tricyclic heteroaryl or non-aromatic C1-

C10 heterocyclyl wherein the hetero-atoms are independently selected from N, O and S; or

a pharmaceutically acceptable salt thereof,
for the treatment of a disorder selected from hyperproliferative diseases, by administering said compound in an effective amount for said disorder, to a patient in need thereof.

2-3. (Cancelled)

4. (Currently Amended) A process for the preparation of a compound according to claim 3 of formula (I)



wherein

(i) R¹ and R² are the same or different and are selected from H, -CH₂OH, -CH₂-O-CO-R⁵, -CH₂-O-CO-NR⁴R⁵ and -CH₂-O-CO-OR⁵;

R³ is =O;

R⁴ and R⁵ are the same or different and are selected from H; substituted or non-substituted, unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; substituted or non-substituted benzyl; substituted or

non-substituted mono- or bicyclic aryl; substituted or non-substituted mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; or R⁴ and R⁵ in -NR⁴R⁵ are bonded together and form, together with the nitrogen atom to which they are bonded, a substituted or non-substituted non-aromatic C1-C10 mono- or bicyclic heterocyclyl optionally containing one or several further heteroatoms independently selected from N, O and S and optionally comprising one or several cyclic keto groups;

with the proviso that R¹ and R² are not both selected from H and -CH₂OH; or

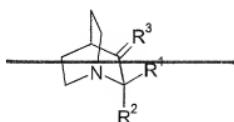
(ii) R¹ and R² together with the carbon atom to which they are bonded form a substituted or non-substituted cyclic carbonate; wherein the substituents of the substituted groups are selected from unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; halogen; mono- or bicyclic aryl; mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; C1-C10 alkyloxy; amino; C1-C10 alkylamino; COR⁶; CONR⁶R⁷; and COOR⁶;

R⁶ and R⁷ are the same or different and are selected from H; unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; benzyl; mono- or bicyclic aryl; mono-, bi- or tricyclic heteroaryl or non-aromatic C1-

C10 heterocyclyl wherein the hetero-atoms are independently selected from N, O and S; or

a pharmaceutically acceptable salt of the compound of formula (I),

by said process comprising reacting a compound of said formula (I)



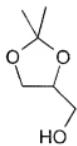
(4)

wherein

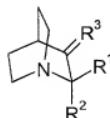
~~R¹, R² and R³ are as defined in claim 3, provided that at least one of R¹ and R² is -CH₂OH; or wherein both R¹ and R² are -CH₂OH and R³ is as defined in claim 3;~~

~~with a compound of formula R⁵-CO-X, NR⁴R⁵-CO-X, or R⁵O-CO-X; wherein X is a leaving group; under conditions suitable for transforming at least one of R¹ and R² into -CH₂-O-CO-R⁵, -CH₂-O-CO-NR⁴R⁵ or -CH₂-O-CO-OR⁵ wherein R⁴ and R⁵ are as defined in claim 3;~~

~~or by reacting a compound of said formula (I) wherein both R¹ and R² are -CH₂OH; with a compound of formula~~



5. (Currently Amended) A compound according to claim
3 of formula (I)



(I)

wherein

(i) R¹ and R² are the same or different and are selected from H, -CH₂OH, -CH₂-O-CO-R⁵, -CH₂-O-CO-NR⁴R⁵ and -CH₂-O-CO-OR⁵;

R³ is =O;

R⁴ and R⁵ are the same or different and are selected from H; substituted or non-substituted, unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; substituted or non-substituted benzyl; substituted or non-substituted mono- or bicyclic aryl; substituted or non-substituted mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; or R⁴ and R⁵ in -NR⁴R⁵

are bonded together and form, together with the nitrogen atom to which they are bonded, a substituted or non-substituted non-aromatic C1-C10 mono- or bicyclic heterocyclyl optionally containing one or several further heteroatoms independently selected from N, O and S and optionally comprising one or several cyclic keto groups;

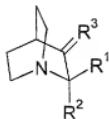
with the proviso that R¹ and R² are not both selected from H and -CH₂OH; or

(ii) R¹ and R² together with the carbon atom to which they are bonded form a substituted or non-substituted cyclic carbonate; wherein the substituents of the substituted groups are selected from unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; halogen; mono- or bicyclic aryl; mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; C1-C10 alkyloxy; amino; C1-C10 alkylamino; COR⁶; CONR⁶R⁷; and COOR⁶;

R⁶ and R⁷ are the same or different and are selected from H; unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; benzyl; mono- or bicyclic aryl; mono-, bi- or tricyclic heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the hetero-atoms are independently selected from N, O and S; or

a pharmaceutically acceptable salt of the compound of formula (I), for use as a medicament.

6. (Currently Amended) A pharmaceutical composition comprising a therapeutically effective amount of a compound according to claim 3, of formula (I)



(I)

wherein

(i) R¹ and R² are the same or different and are selected from H, -CH₂OH, -CH₂-O-CO-R⁵, -CH₂-O-CO-NR⁴R⁵ and -CH₂-O-CO-OR⁵;

R³ is =O;

R⁴ and R⁵ are the same or different and are selected from H; substituted or non-substituted, unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; substituted or non-substituted benzyl; substituted or non-substituted mono- or bicyclic aryl; substituted or non-substituted mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; or R⁴ and R⁵ in -NR⁴R⁵ are bonded together and form, together with the nitrogen atom to which they are bonded, a substituted or non-substituted non-aromatic C1-C10 mono- or bicyclic heterocyclyl optionally

containing one or several further heteroatoms independently selected from N, O and S and optionally comprising one or several cyclic keto groups;

with the proviso that R¹ and R² are not both selected from H and -CH₂OH; or

(ii) R¹ and R² together with the carbon atom to which they are bonded form a substituted or non-substituted cyclic carbonate; wherein the substituents of the substituted groups are selected from unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; halogen; mono- or bicyclic aryl; mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; C1-C10 alkyloxy; amino; C1-C10 alkylamino; COR⁶; CONR⁶R⁷; and COOR⁶;

R⁶ and R⁷ are the same or different and are selected from H; unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; benzyl; mono- or bicyclic aryl; mono-, bi- or tricyclic heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the hetero-atoms are independently selected from N, O and S; or a pharmaceutically acceptable salt or prodrug thereof; and

at least one pharmaceutically acceptable excipient.

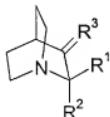
7. (Original) A pharmaceutical composition according to claim 6, comprising at least one further, pharmaceutically active compound.

8. (Cancelled)

9. (Previously Presented) A pharmaceutical composition according to claim 7, wherein the at least one further active compound *in vivo* is susceptible of reacting with glutathione.

10. (Currently Amended) A pharmaceutical composition according to claim 7 or claim 9, wherein the at least one further pharmaceutically active compound is selected from the group consisting of adriamycin, melphalan and cisplatin.

11. (Currently Amended) A method of ~~treatment of a disease selected from hyperproliferative diseases, by administration of treating a cancer comprising:~~
~~administering, to a patient in need thereof, a~~
therapeutically effective amount of a compound of formula (I)



(I)

wherein

(i) R¹ and R² are the same or different and are selected from H, -CH₂-O-R⁵, -CH₂-O-SO₂-R⁵, -CH₂-S-R⁵, -CH₂-O-CO-R⁵, -CH₂-O-CO-NR⁴R⁵ and -CH₂-O-CO-OR⁵;

R³ is =O;

R⁴ and R⁵ are the same or different and are selected from H; substituted or non-substituted, unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; substituted or non-substituted benzyl; substituted or non-substituted mono- or bicyclic aryl; substituted or non-substituted mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; or R⁴ and R⁵ in -NR⁴R⁵ are bonded together and form, together with the nitrogen atom

to which they are bonded, a substituted or non-substituted non-aromatic C1-C10 mono- or bicyclic heterocyclyl optionally containing one or several further heteroatoms independently selected from N, O and S and optionally comprising one or several cyclic keto groups;

with the proviso that when R¹ and R² are both -CH₂-OR⁵ then both R⁵ are not H; and

with the further proviso that when one of R¹ and R² is H and the other one is -CH₂-NR⁶R⁵, then R⁴ and R⁵ are not substituted or non-substituted monocyclic aryl; or

(ii) R¹ and R² together with the carbon atom to which they are bonded form a substituted or non-substituted cyclic carbonate; wherein the substituents of the substituted groups are selected from unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; halogen; mono- or bicyclic aryl; mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; C1-C10 alkyloxy; amino; C1-C10 alkylamino; COR⁶; CONR⁶R⁷; and COOR⁶;

R⁶ and R⁷ are the same or different and are selected from H; unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; benzyl; mono- or bicyclic aryl; mono-, bi- or tricyclic heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; or

a pharmaceutically acceptable salt or prodrug thereof,
to a patient in the need of such treatment.

12. (Currently Amended) The method according to claim 11, wherein the compound of formula (I) is administered together with a at least one further, pharmaceutically active compound.

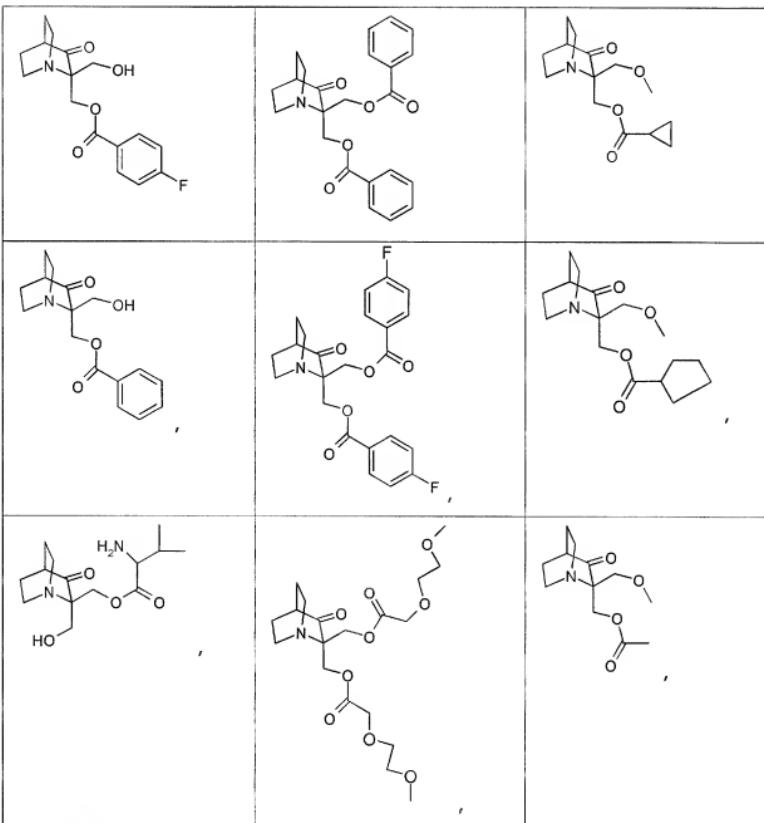
13. (Cancelled)

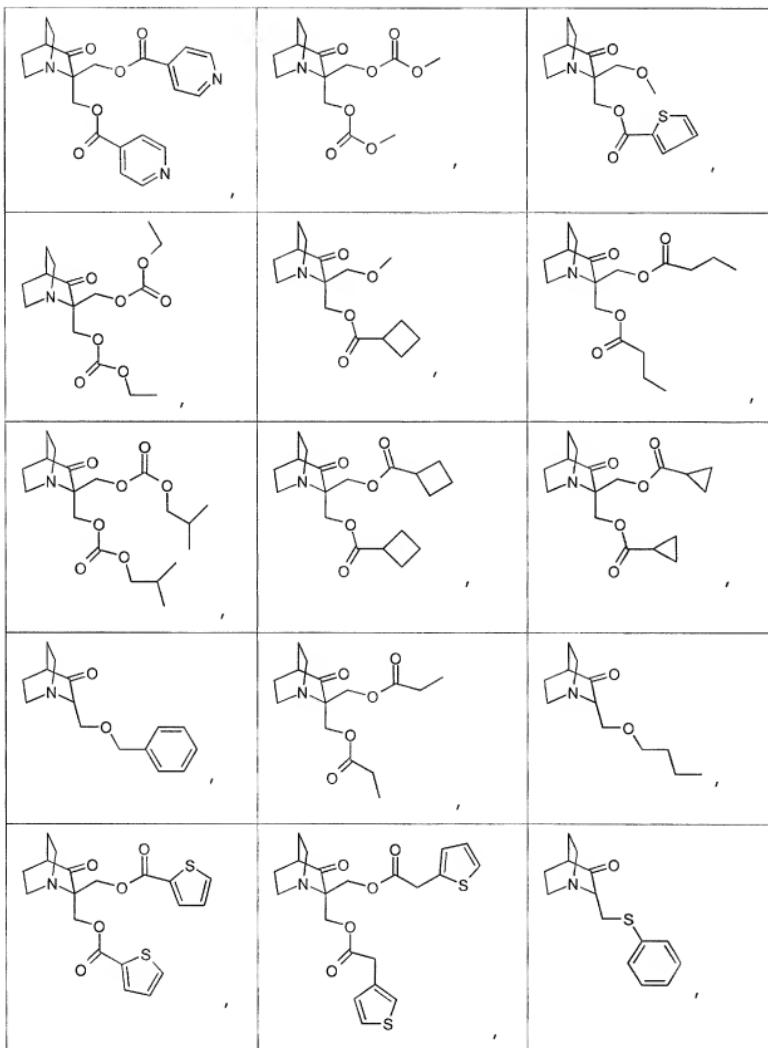
14. (Currently Amended) The method according to the claim 12 wherein, the at least one further pharmaceutically active compound *in vivo* is susceptible of reacting with glutathione.

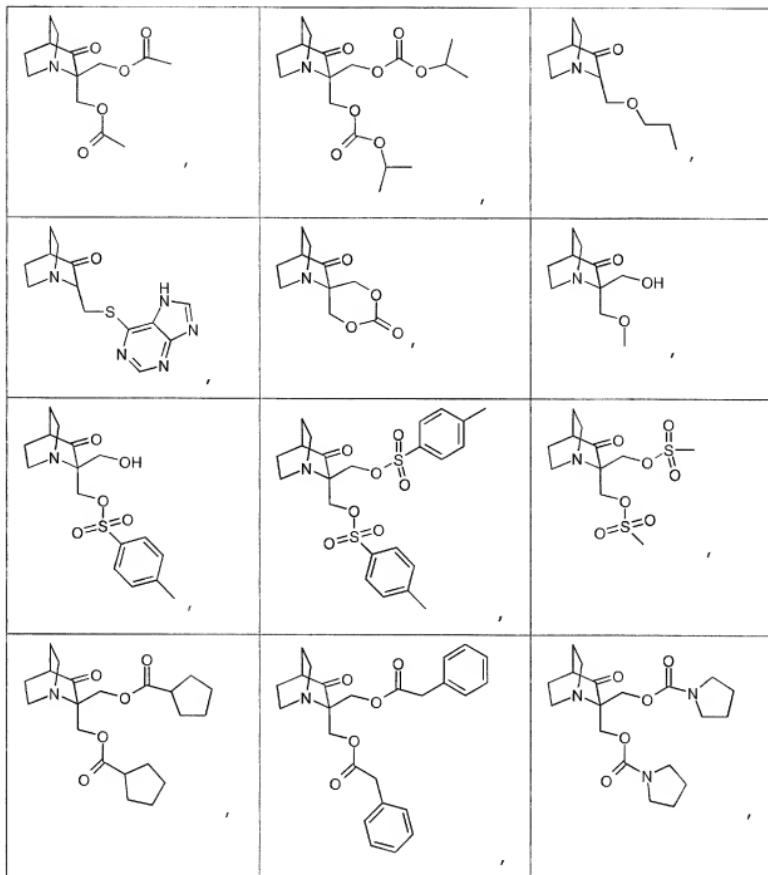
15. (Currently Amended) The method according to claim 12 or claim 14, wherein the at least one further pharmaceutically active compound is selected from the group consisting of adriamycin, melphalan, and cisplatin.

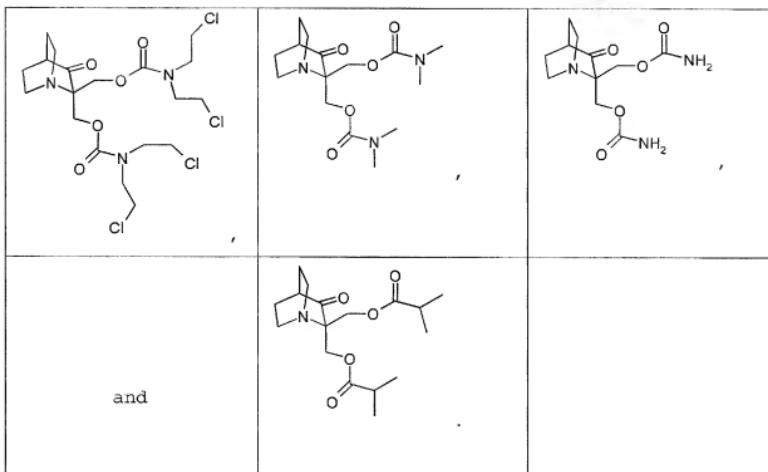
16. (Currently Amended) A method of treating a mammal suffering from a hyperproliferative disease cancer,

comprising administering to said mammal in need thereof a therapeutically effective amount of a compound selected from the group consisting of:



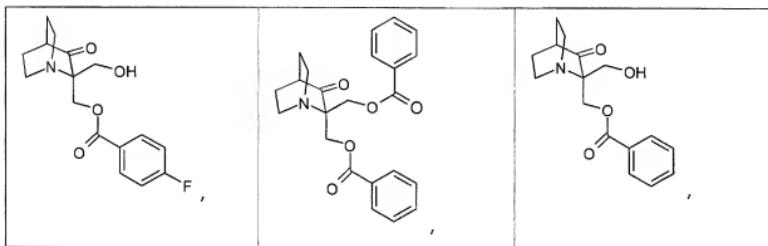


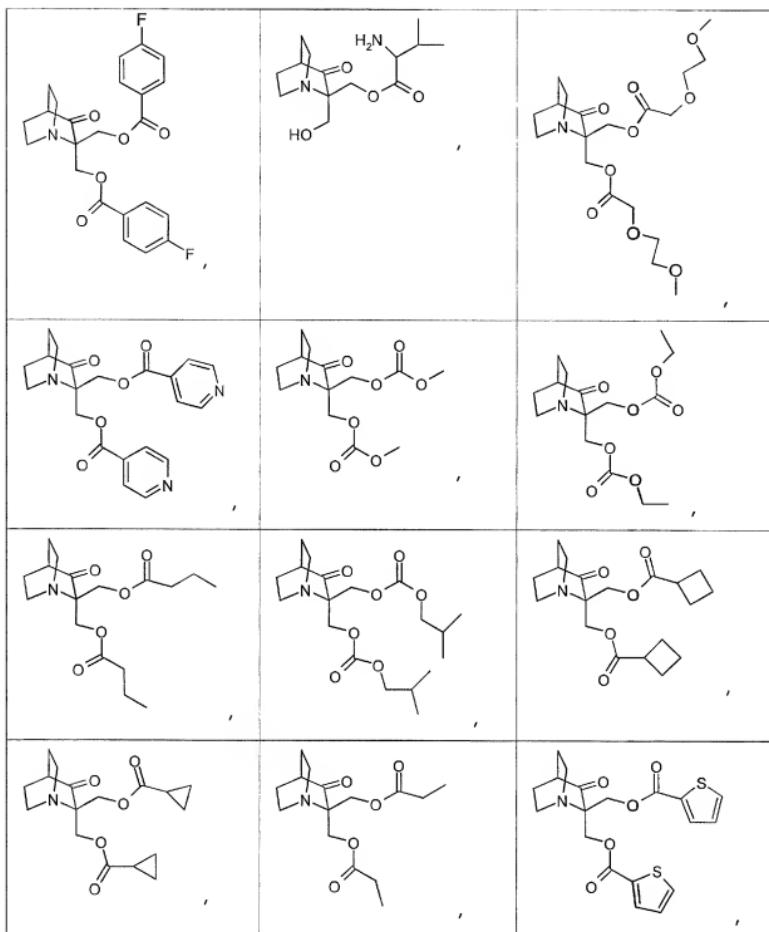


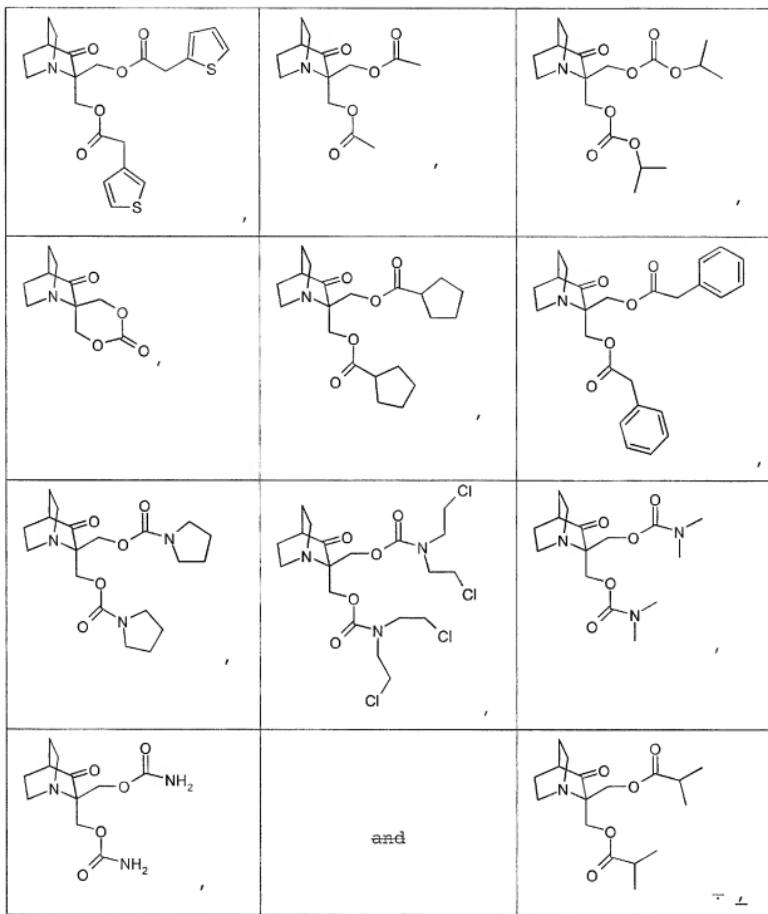


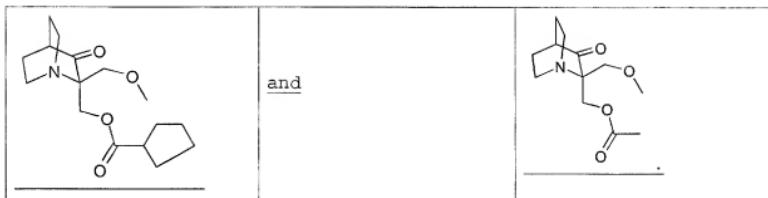
17. (Cancelled)

18. (Currently Amended) A compound selected from the group consisting of:



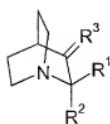






19. (Previously Presented) The process according to claim 4, wherein X is Cl.

20. (Currently Amended) The A compound according to claim 3, of formula (I)



(I)

wherein

R¹ and R² are the same or different and are both selected from the group consisting of -CH₂-O-CO-R⁵, -CH₂-O-CO-R⁴R⁵ and -CH₂-O-CO-OR⁵ [.]_j

R³ is =O;

R⁴ and R⁵ are the same or different and are selected from H; substituted or non-substituted, unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; substituted or non-substituted benzyl; substituted or

non-substituted mono- or bicyclic aryl; substituted or non-substituted mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; or R⁴ and R⁵ in -NR⁴R⁵ are bonded together and form, together with the nitrogen atom to which they are bonded, a substituted or non-substituted non-aromatic C1-C10 mono- or bicyclic heterocyclyl optionally containing one or several further heteroatoms independently selected from N, O and S and optionally comprising one or several cyclic keto groups;

wherein the substituents of the substituted groups are selected from unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; halogen; mono- or bicyclic aryl; mono-, bi- or tricyclic C1-C10 heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the heteroatoms are independently selected from N, O and S; C1-C10 alkyloxy; amino; C1-C10 alkylamino; COR⁶; CONR⁶R⁷; and COOR⁶;

R⁶ and R⁷ are the same or different and are selected from H; unbranched or branched, saturated or unsaturated C3-C12 cycloalkyl or C1-C10 alkyl; benzyl; mono- or bicyclic aryl; mono-, bi- or tricyclic heteroaryl or non-aromatic C1-C10 heterocyclyl wherein the hetero-atoms are independently selected from N, O and S; or

a pharmaceutically acceptable salt thereof.

21. (New) A compound according to claim 18, or a pharmaceutically acceptable salt thereof, for use as a medicament.

22. (New) A compound according to claim 20, or a pharmaceutically acceptable salt thereof, for use as a medicament.

23. (New) A method of treating a cancer comprising administering an effective amount of the compound according to claim 18 to a patient in need thereof.

24. (New) A method of treating a cancer comprising administering an effective amount of the compound according to claim 20 to a patient in need thereof.

25. (New) A pharmaceutical composition comprising a therapeutically effective amount of the compound according to claim 18.

26. (New) A pharmaceutical composition comprising a therapeutically effective amount of the compound according to claim 20.